

Title (en)

MULTI-COMPONENT ROOM-TEMPERATURE-CURABLE SILICONE ELASTOMER COMPOSITION

Title (de)

BEI RAUMTEMPERATUR HÄRTBARE SILIKONELASTOMERZUSAMMENSETZUNG AUS MEHREREN KOMPONENTEN

Title (fr)

COMPOSITION ÉLASTOMÈRE DE SILICONE DURCISSABLE À LA TEMPÉRATURE AMBIANTE, MULTI-CONSTITUANTS

Publication

EP 2768885 A1 20140827 (EN)

Application

EP 12784751 A 20121011

Priority

- JP 2011230691 A 20111020
- JP 2012076877 W 20121011

Abstract (en)

[origin: WO2013058293A1] A multi-component room-temperature-curable silicone elastomer composition essentially comprising: (A) a diorganopolysiloxane including (A-1) a diorganopolysiloxane capped at both molecular terminals with alkoxy silyl groups or hydroxy silyl groups and (A-2) a diorganopolysiloxane capped at only one molecular terminal by an alkoxy silyl group or a hydroxy silyl group and at the other molecular terminal with an alkyl group or an alkenyl group, having a viscosity at 25°C of 20 to 1,000,000 mPa.s; (B) a silicon-bonded aryl group-containing alkoxy silane; (C) an organic compound having at least two alkoxy silyl groups in one molecule, and being free of siloxane bonds; and (D) a curing catalyst. In such a multi-component room-temperature-curable silicone elastomer composition, the component (A), the component (B), the component (C), and the component (D) are not comprised simultaneously. The multi-component room-temperature-curable silicone elastomer composition shows sufficient usable life at low temperatures, curing properties with low dependence on temperature and excellent curability at low temperatures, and excellent adhesion.

IPC 8 full level

C08G 77/18 (2006.01); **C08K 5/5419** (2006.01); **C08K 5/544** (2006.01); **C08K 5/549** (2006.01); **C08L 83/04** (2006.01)

CPC (source: EP KR US)

C08G 77/18 (2013.01 - EP KR US); **C08G 77/38** (2013.01 - US); **C08G 77/388** (2013.01 - US); **C08K 5/5419** (2013.01 - KR); **C08K 5/544** (2013.01 - KR); **C08K 5/549** (2013.01 - KR); **C08L 83/04** (2013.01 - EP KR US); **C08K 2003/265** (2013.01 - EP US)

Citation (search report)

See references of WO 2013058293A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013058293 A1 20130425; BR 112014009821 A2 20170613; CN 103890046 A 20140625; EP 2768885 A1 20140827; EP 2768885 B1 20180523; JP 2013087244 A 20130513; JP 6039894 B2 20161207; KR 101954055 B1 20190531; KR 20140081869 A 20140701; US 2014288246 A1 20140925

DOCDB simple family (application)

JP 2012076877 W 20121011; BR 112014009821 A 20121011; CN 201280050649 A 20121011; EP 12784751 A 20121011; JP 2011230691 A 20111020; KR 20147012794 A 20121011; US 201214352809 A 20121011